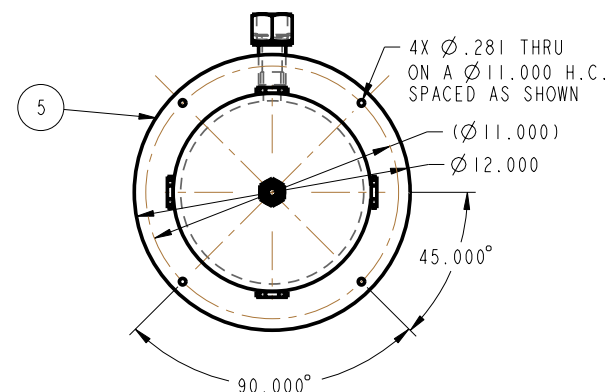
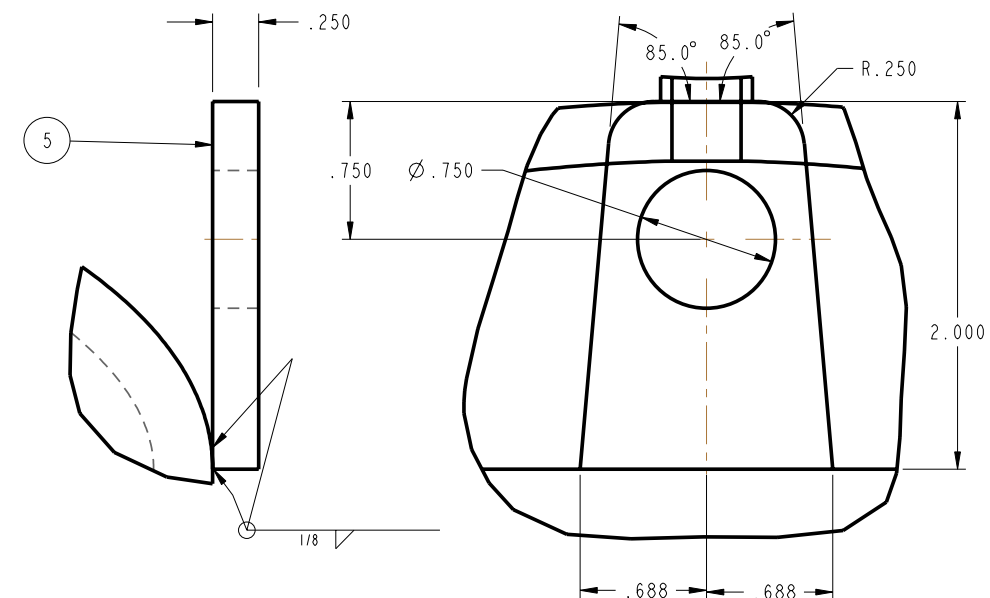


REVISIONS					
ZONE	REV	DESCRIPTION	BY	APPROVED	DATE
A3	01	ADDED VCR FITTINGS	BMR	SS	9/22/04



- OPERATING CONDITIONS:
1. OPERATING PRESSURE:
LOW: (VACUUM TO 10 -6)
HIGH: 2000 PSI
 2. OPERATING CONDITIONS: HOURLY CYCLE BETWEEN THE
LOW AND HIGH PRESSURE RATING.
 3. OPERATING TEMPERATURE: 350° C.
 4. VESSEL TO BE ASME CERTIFIED FOR BETTER THAN 1E-6
FOR THE ABOVE CRITERIA.
 5. AN ESTIMATED WEIGHT FOR THE VESSEL MUST BE PROVIDED TO
ANL BEFORE FABRICATION BEGINS.

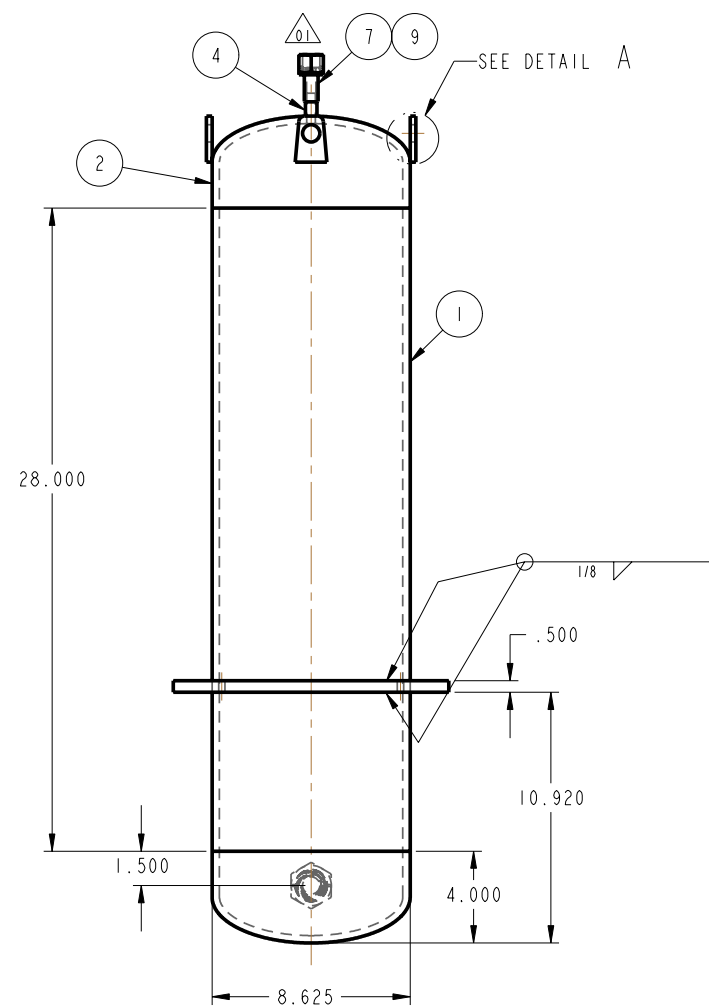


TYPICAL LIFTING LUG DETAIL
4 - LUGS TOTAL SPACED 90° APART

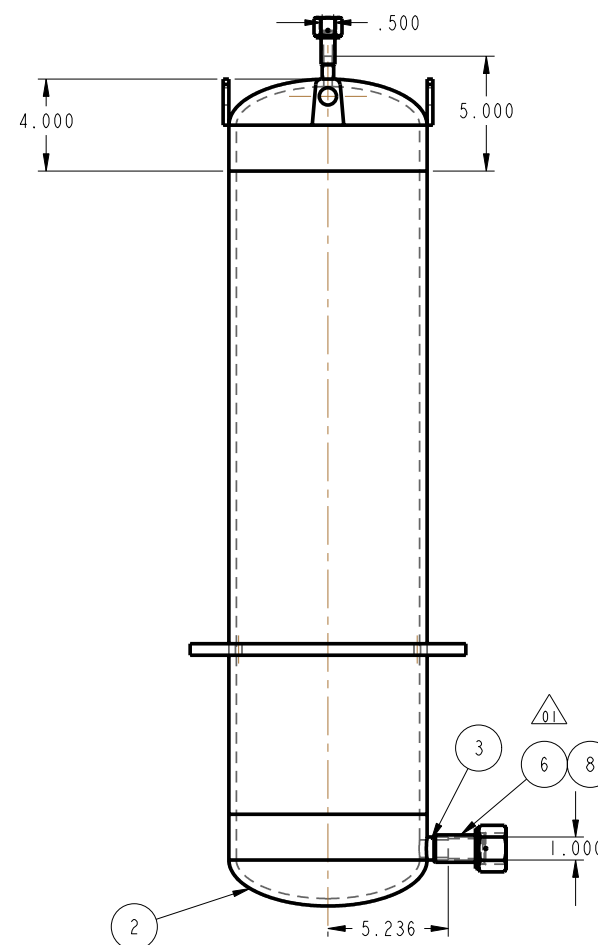
DETAIL A
SCALE 2:1

NOTE:

- 1 THE USE OF SULPHUR BEARING OILS OR ABRASIVES IS PROHIBITED.
- 2 PROCESSES SUCH AS GRINDING, AND OR POLISHING THAT MAY RESULT IN EMBEDDED CONTAMINATION OF THE PART ARE PROHIBITED.
- 3 USE ONLY CIMCOOL, KOOLMIST #77, MOBIL CUT-MAX, MISSILE LUBE #5, OR AN ANL APPROVED EQUAL LUBRICANT FOR MACHINING.
- 4 PRIOR TO SHIPPING ALL SURFACES OF THE PART ARE TO BE THOROUGHLY CLEANED, AND FREE OF ALL OIL AND OR SOLUTIONS.



SCALE 1:4



1 SOURCE OR EQUIVALENT
CHICAGO FLUID SYSTEMS TECH.
360 WINDY POINT DRIVE
GLENDALE HEIGHTS, IL 60139
630-545-0003
SWAGELOK

9	SS-8-VCR-1	1 1/2" VCR FEMALE NUT	SST	1
8	SS-16-VCR-1	1" VCR FEMALE NUT	SST	1
7	SS-8-VCR-3	1/2" VCR GLAND	SST	1
6	SS-16-VCR-3	1" VCR GLAND	SST	1
5		1/2" PLATE	304 SST	AS SHOWN
4		1 1/2" O.D. WALL TUBE	304 SST	AS SHOWN
3		1" O.D. WALL TUBE	304 SST	AS SHOWN
2		8" PIPE CAP	304 SST	2
1		8" PIPE	304 SST	AS SHOWN
ITEM	DRAWING/PART NUMBER	NOMENCLATURE OR DESCRIPTION	MATERIAL/SPEC	QTY
PARTS LIST/BILL OF MATERIALS				
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS .01 .XX ±.01 .XXX ±.005 SURFACE ROUGHNESS $\sqrt{1}$		DRAWN BY: B. RUSTHOVEN CHECKED BY: DESIGNED BY: B. RUSTHOVEN RESPONSIBLE ENGINEER: S. SHARMA GROUP LEADER: S. SHARMA APPROVED BY: RELEASE LEVEL: - VERSION: -		
REMOVE ALL BURRS AND BREAK SHARP EDGES .03 MAX. SURFACE TEXTURE TO BE IN ACCORDANCE WITH LATEST ANSI B46-1 DIMENSIONING & TOLERANCING IN ACCORDANCE WITH LATEST ANSI Y14.5		THIS DRAWING IS THE PROPERTY OF ARGONNE NATIONAL LABORATORY RARE ISOTOPE ACCELERATOR RARE ISOTOPE ACCELERATOR THIN LITHIUM FILM RESERVOIR VESSEL WELDMENT		
MODEL NAME: RESERVOIR-VESSEL		SIZE 15CM No D OHRH5		
ELECTRONIC FILE NAME: G13665		DRAWING NUMBER: G13665		
MATERIAL: 304 SST		SCALE: 1 : 8 DO NOT SCALE DRAWING SHEET 1 OF 1		